Vol. 216, Nos. 1,2 CLINICA CHIMICA ACTA 16 July 1993

CONTENTS

Research Communications

Deregulated production of interleukin-4 (IL4) in autoimmune thyroid disease assayed with a new radioimmunoassay
Y. Hirooka, M. Kayama, S. Ohga, M. Kimura, M. Hasegawa, K. Shin, T. Nogimori, Y. Ishizuki and T. Mitsuma (Japan) 1

Variable expression of leukocyte cytosolic broad-specificity β-glucosidase activity
G.W. Forsyth, K.M. Romero, J. Alverson, D.J. VanderJagt and R.H. Glew (Canada and USA) 11

A novel lectin-based enzyme-linked immunosorbent assay for the measurement of IgA1 in serum and secretory IgA1 in secretions
M.J. Cullina and J.F. Greally (Ireland and USA) 23

Intrathecal synthesis of IgM and IgA in neurological diseases: comparison of two formulae with isoelectric focusing
R. Kaiser and C.H. Lücking (Germany) 39

Determination of acylcarnitines in urine of patients with inborn errors of metabolism using high-performance liquid chromatography after derivatization with 4′-bromophenacylbromide
B.J.H.M. Poorthuis, T. Jille-Vlčková and W. Onkenhout (The Netherlands) 53

Hyperphenylalaninemia and pterin metabolism in serum and erythrocytes
A. Ponzone, O. Guardamagna, M. Spada, R. Ponzone, M. Sartore, L. Kierat, C.W. Heizmann and N. Blau (Italy and Switzerland) 63

Release of β-hexosaminidase isoenzymes in cultured human fibroblasts
B. Hultberg, A. Isaksson, M. Nordström and T. Kjellström (Sweden) 73

A ^{125}I-radioimmunoassay for diethylstilbestrol in serum of patients with prostatic cancer treated with stilphostrol
E.V. Economou, E. Livaniou, G.P. Evangelatos and D.S. Ithakissios (Greece) 81

Fetal intestinal and renal origins of trehalase activity in human amniotic fluid
M.-A. Elsliger, L. Dallaire and M. Potier (Canada) 91

Determination of proteins by a reverse biuret method combined with the copper-bathocuproine chelate reaction
M. Matsushita, T. Irino, T. Komoda and Y. Sakagishi (Japan) 103

Lipoprotein lipase mass and activity in severe hypertriglyceridemia
J. Kobayashi, H. Hashimoto, I. Fukamachi, J. Tashiro, K. Shirai, Y. Saito and S. Yoshida (Japan) 113

Decreased renal excretion of β-hexosaminidase in adults with insulin-dependent diabetes mellitus and normal renal function
K.M. Romero, B.A. Butcher, P.J. Boyle, D.E. Fry and R.H. Glew (USA) 125

Enzyme reactor for urinary acylcarnitines assay by reversed-phase high-performance liquid chromatography
K. Matsumoto, M. Takahashi, N. Takiyama, H. Misaki, N. Matsuo, S. Murano and H. Yuki (Japan) 135

Erythrocyte galactokinase assay with high performance liquid chromatography
N. Mizoguchi, T. Eguchi, N. Sakura and K. Ueda (Japan) 145

Cerebrospinal fluid ferritin in brain necrosis: evidence for local synthesis
G. Keir, N. Tasdemir and E.J. Thompson (UK) 153

Mono-, di- and triacylglycerol concentrations in human plasma: effects of heparin injection and of a high-fat meal
B.A. Fielding, S.M. Humphreys, R.F.C. Allman and K.N. Frayn (UK) 167

Characteristics of membrane-bound 5′-nucleotidase on human prostasomes
R. Fabiani and G. Ronquist (Sweden) 175

Short Communications

Hormone-sensitive lipase: quantitation of enzyme activity and mRNA level in small biopsies of human adipose tissue
K.N. Frayn, D. Langin, C. Holm and P. Belfrage (UK and Sweden) 183

Apolipoprotein E phenotypes and genotypes as determined by polymerase chain reaction using allele-specific oligonucleotide probes and the amplification refractory mutation system in children with insulin-dependent diabetes mellitus
A. Stavljenic-Rukavina, J. Sertic, B. Salzer, M. Dumic, A. Radica, K. Fumic and A. Krajina (Croatia) 191

Letter to the Editor

Prostatic specific antigen and prostatic acid phosphatase measured by radioimmunoassay in vaginal washings from cases of suspected sexual assault
B.A. Roach and A.O. Vladutiu (USA) 199

Author index 203

Subject index 205

International Federation of Clinical Chemistry

The application of molecular biology techniques to the diagnosis of hyperlipidaemia and other risk factors for cardiovascular disease
S.E. Humphries (UK) S5

Cited in: Biological Abstracts — Chemical Abstracts — Current Contents/Life Sciences — Excerpta Medica — Index Chemica — Index Medicus — Clinical Chemistry Lookout — Current Clinical Chemistry — Informedicus — PASCAL M — Reference Update